

Title (en)
Digital AM demodulator

Title (de)
Digitaler AM-Demodulator

Title (fr)
Démodulateur AM numérique

Publication
EP 1050983 A3 20031210 (DE)

Application
EP 00201519 A 20000425

Priority
DE 19920362 A 19990504

Abstract (en)
[origin: EP1050983A2] Two CORDICs (1,7) with phase, amplitude inputs and two outputs are assigned to x and y coordinates. A phase control circuit has a first CORDIC (1), a loop filter (2) and an accumulator (4) supplying a phase ramp signal with a repeat frequency depending on the accumulator's input signal. A second CORDIC's (7) amplitude input sends a multiplex signal to a suppressed pilot signal, its output supplying a demodulated difference audio signal.

IPC 1-7
H04H 1/00; **H03D 1/22**

IPC 8 full level
H04N 5/60 (2006.01); **H03D 1/00** (2006.01); **H03D 1/22** (2006.01); **H04H 20/00** (2009.01); **H04H 40/36** (2008.01); **H04J 1/00** (2006.01); **H04L 7/00** (2006.01); **H04L 27/06** (2006.01)

CPC (source: EP US)
H04H 40/36 (2013.01 - EP US); **H04L 27/06** (2013.01 - EP US); **H04H 2201/13** (2013.01 - EP US)

Citation (search report)

- [A] US 5561716 A 19961001 - KAESER JUERGEN DR [DE], et al
- [A] DE 4434451 A1 19960328 - BLAUPUNKT WERKE GMBH [DE]
- [DA] WALTHER J S: "A UNIFIED ALGORITHM FOR ELEMENTARY FUNCTIONS", PROCEEDINGS OF THE SPRING JOINT COMPUTER CONFERENCE. ATLANTIC CITY, 18 - 20 MAY, 1971, JOINT COMPUTER CONFERENCE, BALTIMORE, SPARTAN BOOKS, US, vol. NG 1971 VOL. 38, 18 May 1971 (1971-05-18), pages 379 - 385, XP001022227

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